

WHAT IS CLAIMED IS:-

1. A printhead assembly, comprising:
at least one printhead module comprising at least two printhead integrated circuits, each of which has
nozzles formed therein for delivering printing fluid onto the surface of print media, a support member
5 supporting the at least two printhead integrated circuits, and an electrical connector for connecting electrical
signals to the at least two printhead integrated circuits;
drive electronics incorporating at least one controller arranged to control the printing operation of a
selectable number of the at least two printhead integrated circuits via the electrical connector; and
a casing in which the at least one printhead module and the drive electronics are removably mounted.
- 10 2. A printhead assembly according to claim 1, wherein the at least one printhead module comprises one
or more groups of two printhead integrated circuits and a single controller is selected for controlling each
group of two printhead integrated circuits via the electrical connector.
3. A printhead assembly according to claim 1, wherein the at least one printhead module comprises one
or more groups of four printhead integrated circuits and a single controller is selected for controlling each
15 group of four printhead integrated circuits via the electrical connector.
4. A printhead assembly according to claim 1, wherein the at least one printhead module comprises one
or more groups of eight printhead integrated circuits and a single controller is selected for controlling each
group of eight printhead integrated circuits via the electrical connector.
5. A printhead assembly according to claim 1, wherein the at least one printhead module comprises one
20 or more groups of sixteen printhead integrated circuits and a single controller is selected for controlling each
group of sixteen printhead integrated circuits via the electrical connector.
6. A printhead assembly according to claim 1, wherein:
the at least one printhead module is formed as a unitary arrangement of the at least two printhead
integrated circuits, the support member, the electrical connector, and at least one fluid distribution member
25 mounting the at least two printhead integrated circuits to the support member; and
the support member has at least one longitudinally extending channel for carrying the printing fluid
for the printhead integrated circuits and includes a plurality of apertures extending through a wall of the
support member arranged so as to direct the printing fluid from the at least one channel to associated nozzles
in both, or if more than two, all of the printhead integrated circuits by way of respective ones of the fluid
30 distribution members.